

Title (en)  
Image forming apparatus

Title (de)  
Bilderzeugungsvorrichtung

Title (fr)  
Appareil de formation d'images

Publication  
**EP 1962144 A3 20150617 (EN)**

Application  
**EP 08150903 A 20080131**

Priority  
JP 2007024925 A 20070202

Abstract (en)  
[origin: EP1962144A2] thickness,  $\mu t$ : a relative permittivity of the toner layer,  $\mu d$ : a relative permittivity of the drum,  $\mu 0$ : a vacuum permittivity,  $Dt_{max}$ : a transmission density in a maximum density image portion on the paper after fixation,  $Dt 0.1$ : a transmission density in an image on the paper when the toner bearing amount on the paper after fixation is 0.1 mg/cm<sup>2</sup>, and  $\gamma$ : a transfer efficiency of the toner,  $\pm = Dt \# c \max - D \# c t 0.1 \gg \times (M S) L - 0.1$ , and  $^2 = 1 / (Q / M \# c) L$ .

IPC 8 full level  
**G03G 15/00** (2006.01); **G03G 5/04** (2006.01); **G03G 15/06** (2006.01); **G03G 15/08** (2006.01)

CPC (source: EP KR US)  
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**G03G 15/5037** (2013.01 - EP KR US); **G03G 15/5062** (2013.01 - EP KR US); **G03G 2215/00037** (2013.01 - EP KR US);  
**G03G 2215/0607** (2013.01 - EP KR US)

Citation (search report)  
• [X] US 2002154917 A1 20021024 - AOKI KATSUHIRO [JP], et al  
• [I] JP 2002278326 A 20020927 - RICOH KK  
• [A] US 2001036586 A1 20011101 - ADACHI KATSUMI [JP], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

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US 7912389 B2 20110322

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